

NEW ABSTRACT

A high-pressure mercury vapor discharge lamp includes a lamp vessel enclosing a discharge space having an ionizable discharge medium and at least two electrodes each provided with an electrode tip. The electrode tips are spaced apart at a mutual distance  $d$ . The lamp further includes electrical feed-through elements which extend from the electrodes to the exterior. The distance  $d$  between the electrode tips is less than 1.0 mm, and the mercury density in the vessel is higher than  $0.3 \text{ mg/mm}^3$ .